**Year 6 Mathematics Yearly Overview and timeline 2012-2013 (Updated: 24 August, 2012)**

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| Week | Date | Branches and topic |
| 1 | 27-Aug-31-Aug | Orientation:  Understand the MYP Maths curriculum  Knowing yourself (4 operational skills: +/-/×/÷ and order of operations)  Develop your Math Binder  (H&H Ch2)  *Pre Assessment: 31/8 (speed test and simple problems)* |
| 2 | 3-Sep-7-Sep | Number:  **Decimal in Real life**  Constructing decimal number  Representing decimal number  Decimal currency  Using a number line  Ordering decimals  Rounding decimal numbers  Converting decimals to fractions and vice versa  (H&H Ch 9)  **Arithmetic on decimal**  Adding and subtracting decimals  Multiplying and dividing decimals  Mixed operation of decimals  Solving decimal problems  Terminating and recurring decimals  Using calculators  (H &H Ch 11)  *# Assessment 1 (A C D): 19/9-21/9 any 2 lessons*  *# Assessment 2 (C): 24/9 (Folder organization)* |
| 3 | 10-Sep-14-Sep |
| 4 | 17-Sep-21-Sep |
| 5 | 24-Sep-28-Sep |
| 6 | 1-Oct-5-Oct | 1/10: Day after Mid-Autumn Festival  2/10: Day after National Day  3-5/10: YEAR 6 CAMP |
| 7 | 8-Oct -12-Oct | Number:  **Fractions**  Representing fractions  Fractions of regular shapes  Equal fractions (Equivalent fractions)  Simplifying fractions (Reduce fractions)  Fractions of quantities  Comparing fractions  Improper fractions and mixed numbers  (H&H Ch 6)  **Fraction Operations**  Adding and subtracting fractions  Multiplying fractions  Reciprocals and dividing fractions  Mixed operation of fractions  Solving fractions problems  (H&H Ch 8)  *# Assessment 3 (A C): 30/10 (Tuesday)*  **\* Instruction for problem solving investigation will be given out on either 17/10 or 18/10** |
| 8 | 15-Oct-18-Oct |
| 9 | 22-Oct-26-Oct | 23/10: Chung Yeung Festival  122-2/10: Mid Term Break |
| 10 | 29-Oct-2-Nov | **Problem Solving Strategies**  Investigate into different problem solving strategies  Trial and Error  Making a list  Modeling or drawing a picture  Making a table and looking for a pattern  Working backwards  (H&H Ch 10)  *# Assessment 4 (B D): 31/10-2/11 any 2 lessons* |

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| 11 | 5-Nov-9-Nov | Algebra  **Algebra and pattern and simple equation**  Patterns and variables  Algebraic expression and substituting  Linear graphs  Simple equation and problems  (H&H Ch 18 & Ch 20) |
| 12 | 12-Nov-16-Nov |
| 13 | 19-Nov-23-Nov | Geometry:  **Location**  Map reference  Number grids / Co-ordinates 1st quadrant  Interpreting and plotting points on a grid  (H&H Ch 4) |
| 14 | 26-Nov-30-Nov | Review week (3-4 lessons) |
| 15 | 3-Dec-7-Dec | Summative Assessment Week  # Assessment 5 (B C): 7/12  # Assessment 6 (D): 10/12 (folder + reflection) |
| 16 | 10-Dec-14-Dec | Number:  **Percentage**  Concept of percentage  Real life example of percentage  Converting fractions to percentages  Converting percentages to fractions  Converting decimals to percentages  Converting percentages to decimals  Plotting numbers on a number line  (H&H Ch 14)  Number and Statistics and probability:  **Using Percentage and pie chart**  Comparing quantities  Finding percentage of quantities  Percentage and money  Percentage error  \*Profit and loss  \*Discounts  \*Good tax  Pie Chart (drawing without detail calculation of degree of the sector)  (H&H Ch 16)  \*For more advanced students only |
| 17 | 17-Dec-21-Dec |
| 18 | 24-Dec-28-Dec |
| 19 | 31-Dec-4-Jan |
| 20 | 7-Jan-11-Jan |
| 21 | 14-Jan-18-Jan |
| 22 | 21-Jan-25-Jan | Statistics and probability:  **Data Handling, average, bar charts and broken line graph**  Sample and populations  Categorical data  Graphs of categorical data  Numerical data  Mean or average  Bar charts and broken line graph and different types of graph  (H&H Ch 17)  *# Assessment 7 (C D): 27/2-1/3 any 2 lessons* |
| 23 | 28-Jan-1-Feb |
| 24 | 4-Feb - 8-Feb |
| 25 | 11-Feb -15-Feb |
| 26 | 18-Feb -22-Feb |
| 27 | 25-Feb -1-Mar |
| 28 | 4-Mar -8-Mar | Number / measurement / graphs:  **Time**  Time lines, Units of time, Difference in time, Reading clocks and watches, Timetables, Timezones  **Time and speed**  Speed  Travel Graph  (H&H Ch 15)  *# Assessment 8 (C): 18/3 (Folder organization)*  *# Assessment 9 (B D): 26/3* |
| 29 | 11-Mar -15-Mar |
| 30 | 18-Mar -22-Mar |
| 31 | 25-Mar -29-Mar |
| 32 | 1-Apr -5-Apr | 28/3-4/4: Easter Holiday  5/4: Ching Ming Festival |
| Week | Date | Branches and topic |
| 33 | 8-Apr -12-Apr | Geometry & trigonometry:  **Measurement**  Units of measurement, reading scales, length conversions, perimeter, scale diagrams and mass  (H&H Ch 12)  7 lessons |
| 34 | 15-Apr -19-Apr |
| 35 | 22-Apr -26-Apr | Project Week |
| 36 | 29-Apr -3-May | Geometry & trigonometry:  **3D Shapes**  Vertices and edges  Nets of prisms and cylinders  Sections  Free drawings of solids  Isometric projections  (H&H Ch 24)  Capacity and volume  Volume of irregular solids  Volume problems  (H&H Ch 19)  7 lessons  *# Assessment 10 (A B): 24/5* |
| 37 | 6-May -10-May |
| 38 | 13-May -17-May |
| 39 | 20-May -24-May |
| 40 | 27-May -31-May | Review for SAW |
| 41 | 3-Jun -7-Jun | Summative Assessment Week  # Assessment 11 (A C): 7/6 |
| 42 | 10-Jun -14-Jun | *# Assessment 6 (D): 10/6 (Folder + reflection)*  Geometry & trigonometry:  **Transformations**  Reflections and line symmetry  Rotations and rotational symmetry  Translations  Enlargements and reductions  Tessellations  (H&H Ch 22) |
| 43 | 17-Jun -21-Jun |
| 44 | 24-Jun -28-Jun | IDU WEEK (20-25 Jun) |